

21020P

**TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371**

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

**10/500811**

INTERNATIONAL APPLICATION NO.

PCT/US03/01059

INTERNATIONAL FILING DATE

1/14/2003

PRIORITY DATE CLAIMED

1/18/2002

TITLE OF INVENTION

N-BENZYLAMINOALKYLCARBOXYLATES, PHOSPHINATES, PHOSPHONATES AND TETRAZOLES AS EDG  
RECEPTOR AGONISTS

APPLICANT(S) FOR DO/EO/US

George A. Doherty, Li Zhen, Jeffrey J. Hale and Sander G. Mills

**Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:**

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☐ This is an express request to begin national examination procedures [35 U.S.C. 371(f)]. The submission must include items (5), (6), (9) and (19) indicated below.
4. ☐ The US has been elected (PCT Article 31).
5. ☒ A copy of the International Application as filed [35 U.S.C. 371(c)(2)]
  - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☒ has been communicated by the International Bureau.
  - c. ☒ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed [35 U.S.C. 371(c)(2)].
7. ☐ Amendments to the claims of the International Application under PCT Article 19 [35 U.S.C. 371(c)(3)].
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 [35 U.S.C. 371(c)(3)].
9. ☒ An oath or declaration of the inventor(s) [35 U.S.C. 371(c)(4)].
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 [35 U.S.C. 371(c)(5)].

**Items 11 to 18 below concern other document(s) or information included:**

11. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A **FIRST** preliminary amendment.
14. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
15. ☐ A substitute specification.
16. ☐ A power of attorney and/or change of address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with 37 CFR 1.821 - 1.825.
18. ☐ Other items or information:

**EXPRESS MAIL CERTIFICATE**  
DATE OF DEPOSIT **7-7-04**  
EXPRESS MAIL NO. **9294591592US**  
I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS  
BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE  
AS EXPRESS MAIL \*POST OFFICE TO ADDRESS  
ON THE ABOVE DATE IN AN ENVELOPE ADDRESSED TO  
COMMISSIONER FOR PATENTS, P.O. BOX 1450  
ALEXANDRIA, VIRGINIA 22304-3450  
SIGNED **Joan Schepers**  
DATE **July 2, 2004**

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19. ☒ The following fees are submitted:**BASIC NATIONAL FEE [37 CFR 1.492(a)(1)-(5)]:**

Neither international preliminary examination fee (37 CFR 1.482) nor international search fee [37 CFR 1.445(a)(2)] paid to USPTO and International Search Report not prepared by the EPO or JPO..... **\$1,080.00**

International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO..... **\$920.00**

International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee [37 CFR 1.445(a)(2)] paid to USPTO ..... **\$770.00**

International preliminary examination fee paid to USPTO (37 CFR 1.482) but all claims did not satisfy provisions of PCT Article 33(1)-(4)..... **\$730.00**

International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(1)-(4)..... **\$100.00**

**ENTER APPROPRIATE BASIC FEE AMOUNT =****\$730.00**

Surcharge of **\$130.00** for furnishing the oath or declaration later than 30 months from the earliest claimed priority date [37 CFR 1.492(e)].

Claims	Number Filed	Number Extra	Rate		
Total Claims	24 - 20 =	4	X <b>\$18.00</b>	<b>\$72.00</b>	
Independent Claims	3 - 3 =	0	X <b>\$86.00</b>	<b>\$0.00</b>	
Multiple dependent claim(s) (if applicable)			+ <b>\$290.00</b>	<b>\$0.00</b>	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				<b>\$802.00</b>	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.					
<b>SUBTOTAL =</b>				<b>\$802.00</b>	
Processing fee of <b>\$130.00</b> for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				+	
<b>TOTAL NATIONAL FEE =</b>				<b>\$802.00</b>	
Fee for recording the enclosed assignment [37 CFR 1.21(h)]. The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). <b>\$40.00</b> per property.				+	
<b>TOTAL FEES ENCLOSED =</b>				<b>\$802.00</b>	
				Amount to be refunded	
				charged	

- a. ☐ A check in the amount of \$ \_\_\_\_\_ to cover the above fees is enclosed.
- b. ☒ Please charge my Deposit Account No. 13-2755 in the amount of \$802.00 to cover the above fees. A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to the Deposit Account No. 13-2755. A duplicate copy of this sheet is enclosed.

**NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive [37 CFR 1.137(a) or (b)] must be filed and granted to restore the application to pending status.**

SEND ALL CORRESPONDENCE TO:

Customer No. 000210

MERCK & CO., INC.  
Patent Department, RY60-30  
P.O. Box 2000  
126 East Lincoln Avenue  
Rahway, New Jersey 07065-0970

DATE: July 7, 2004PHONE #: (732) 594-0182

SIGNATURE

Raynard Yuro

NAME

45,570

REGISTRATION NUMBER